



U.S. Department of Energy
Office of River Protection

P.O. Box 450
Richland, Washington 99352

01-OSR-0280

Mr. Ron F. Naventi, Project Manager
Bechtel National, Inc.
3000 George Washington Way
Richland, Washington 99352

Dear Mr. Naventi:

CONTRACT NO. DE-AC27-01RV14136 - CLAUSE I.82, "CHANGES - COST REIMBURSEMENT - ALTERNATE III;" CLAUSE I.117, "LAWS, REGULATIONS, AND DOE DIRECTIVES;" AND SECTION J, ATTACHMENT E, "LIST OF APPLICABLE DIRECTIVES," (LIST B)

Reference: ORP letter from M. K. Barrett to R. F. Naventi, BNI, "Clause I.82, 'Changes - Cost Reimbursement - Alternate III;' Clause I.117, 'Laws, Regulations, and DOE Directives;' and Section J, Attachment E, 'List of Applicable Directives,' (List B)," 01-AMIC-0160, dated June 19, 2001.

In the letter referenced above, the U.S. Department of Energy (DOE), Office of River Protection (ORP) informed you of our intent to direct a change to the Contract to, among other things, add a new Deliverable, "Construction Emergency Response Plan" to Standard 7, Table S7-1. This Deliverable would be required in "Final" at Start of Construction. After careful consideration, ORP has modified our plans regarding the above mentioned Contract Change and request that you disregard the requests associated with that letter. Instead, we intend to direct a change to the Contract as follows:

1. Under Section C, "Statement of Work:"

Table C.5-1.1, page C-12, insert the following:

Item No.:	4.6
Deliverable:	Construction Emergency Response Plan
Reference:	Standard 4
Action Required:	I
DOE Action Party:	D
Point of Delivery:	CO
Contract Due Date:	Prior to start of limited construction

Standard 4, "Construction, Procurement, and Acceptance Testing," insert the following:

"(j) Construction Emergency Response Plan: The Contractor shall develop and adhere to a Construction Emergency Response Plan that is compliant with the applicable requirements of Hanford Emergency Management Plan, DOE/RL-94-02, and the operational emergency and abnormal event reporting requirements of HFID 232.1B (attachment to letter 01-OSR-0280 provides the requirements for the Construction Emergency Response Plan to be compliant with HFID 232.1B and DOE/RL-94-02, provided it meets the definition of an Administrative Facility), and the emergency and fire prevention requirements of 29 CFR 1910.38 and 29 CFR 1926.38 as required by RL/REG-2000-04 (see Section J, Attachment E(a)). (Table C.5-1.1, Deliverable 4.6)."

2. Under Section H, "Special Contract Requirements," Clause H.24, "Emergency Clause," add the following paragraph:

"(c) The Contractor shall comply with the requirements of HFID 232.1B, *Notification and Reporting of Operations Information*, as it applies to reporting emergencies and abnormal events."

3. Under Section J, Attachment E, "List of Applicable Directives (List B - Dear 970.5204-78), Section (b), Additional Directives applicable to this Contract," add:

"HFID 232.1B, *Notification and Reporting of Operational Information*"

The attached requirements were prepared by ORP for your use in developing and submitting to ORP the Construction Emergency Response Plan. This attachment contains the requirements of HFID 232.1B and DOE/RL-94-02 that Bechtel National, Inc. (BNI), must include in the Plan for it to be compliant with them, assuming the results of your site Hazards Survey indicates the construction site can be classified as an Administrative Facility. Should the Hazards Survey now or at some time in the future identify hazards that change the classification of the site to a Low Hazards or Hazardous Facility, as defined in DOE/RL-94-02, additional requirements of DOE/RL-94-02 will apply. Any question of application of DOE Orders, as referenced in DOE/RL-94-02 and outside the scope of the attached requirements, must be directed to the ORP Office of Safety Regulation.

In accordance with Clause I.117, you are required to comply with the requirements of those DOE Directives, or parts thereof, identified in the List of Applicable Directives (List B) in Contract Section J, Attachment E. The subject clause provides that the Contracting Officer (CO) may, from time to time and at any time, revise List B by unilateral modification to the Contract to add, modify, or delete specific requirements. Prior to revising List B, the CO is required to notify you in writing of DOE's intent to revise List B and provide you with the opportunity to assess the effect of your compliance with the revised list on Contract cost and funding, technical

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performance, and schedule; and identify any potential inconsistencies between the revised list and other terms and conditions of the Contract. Within 30 days you shall advise the CO in writing of the potential impact of BNI compliance with the revised list. Based on the information provided and any other information available, the CO shall decide whether to revise List B and will advise you not later than 30 days prior to the effective date of the revision of List B.

Please present a proposal for equitable adjustment as a result of this proposed change not later than 30 days from date of this letter, if justified in accordance with Clause I.82.

If you have any questions, please contact me, (509) 373-4143.

Sincerely,

OSR:JWM

Cloette B. Reid
Contracting Officer

Attachment

cc w/attach:
A. R. Veirup, BNI
G. B. Mellinger, PNNL
J. L. Tokarz-Hames, RL
Document No. 29298

Requirements for Preparation of the River Protection Project Waste Treatment Plant Contractor Construction Emergency Response Plan

1.0 Introduction

The DOE Office of River Protection (ORP) has developed the following requirements to assist Bechtel National, Inc. (BNI) in developing and submitting to ORP for information, prior to limited construction, a River Protection Project Waste Treatment Plant (RPP-WTP) Construction Emergency Response Plan (Plan). In order for the Plan to be compliant with the applicable requirements of HFID 232.1B, *Notification and Reporting of Operations Information*, and DOE/RL-94-02, *Hanford Emergency Management Plan*, BNI must address the requirements discussed below in the Plan, assuming the results of BNI's site Hazards Survey indicates the construction site can be classified as an Administrative Facility. Should the Hazards Survey now or at some time in the future identify hazards that change the classification of the site to a Low Hazards or Hazardous Facility, as defined in DOE/RL-94-02, additional requirements of DOE/RL-94-02 will apply. In addition to these requirements, BNI also must comply with the emergency response requirements of 29 CFR 1910.38 and 29 CFR 1926.38 (required in BNI Contract No. DE-AC27-01RV14136, Section J, Attachment E(a)). The following requirements do not specifically address all the related 29 CFR 1910 and 1926 emergency response requirements.

2.0 Requirements for Complying with DOE/RL-94-02 and HFID 232.1B

To ensure that the RPP-WTP Construction Emergency Response Plan effectively complies with the applicable requirements of Hanford Emergency Management Plan (DOE/RL-94-02) and HFID 232.1B, the Plan must address the following elements:

2.1 Hazards Survey and Hazards Assessment (DOE/RL-94-02, Section 1.3.3)

The Plan must consider potential hazards of a site under construction at Hanford. In addition to hazards normally encountered during such activities, such as occupational industrial accidents and fires, the Plan must consider the potential hazards that would be created by such events as natural phenomena events (i.e., earthquakes and volcano eruptions), and range fires. It also must include an assessment of hazardous materials on site. Additionally, the RPP-WTP construction site could be affected by emergency events from other activities on the Hanford site such as at the Energy Northwest's Columbia Generating Station and at other U.S. Department of Energy (DOE) facilities in the 200 Area, and transportation accidents involving hazardous materials. The Plan must document a hazards survey that addresses the above potential hazards, provide the assessment and bases for the potential hazards and consequences it identified, and justify the facility as an Administrative Facility, if applicable. The Plan must have provisions to periodically (at least every 3 years or when conditions change that could affect the assumptions of the survey) review the hazards survey to determine if the facility should be upgraded to a Low

Hazards or Hazardous Facility and if the Plan should be upgraded to address the additional requirements of DOE/RL-94-02.

2.2 Facility /Building Emergency Response Organization (DOE/RL-94-02, Section 2.2.1.1)

The Plan must describe the site emergency response organization that is suitable for an Administrative Facility. In addition to the Building Warden (BW), the response organization must include those functions from Section 2.2.1.1.1 of DOE/RL 94-02 applicable to an Administrative Facility (a Staging Area Manager and Personnel Accountability Aides). (Note: The Appendix to Subpart E of 29 CFR 1910.38 suggests one personnel accountability aide for each 20 employees.) There also must be discussions or references to how the Incident Command Organization will be staffed by pre-appointed and trained persons. The Plan must discuss who has been assigned to maintain the emergency response information boards and/or the building emergency plan and procedures, and who will maintain the procedures. There must be a description of the Boards, their location, their contents, and how the information will be reviewed and kept current. Because of potential staff turnover, the Plan should refer to emergency response organization personnel by position or title, not by name.

2.3 Event Categorization, Classification, and Other Determinations (DOE/RL 94-02, Section 4.0, and HFID 232.1B)

The Plan must describe BNI's provisions to maintain procedures to ensure recognition and appropriate categorization and classification of emergencies. Initiating events that warrant categorization as Operational Emergencies must be included in such procedures. The Plan must identify emergencies that BNI determines could apply to the construction activities of the RPP-WTP.

Section 4.1.1 of DOE/RL 94-02 advises that the criteria for categorization of a Base Program Operational Event are part of the Abnormal Event criteria contained within Implementing Directive DOE HFID 232.1B. Furthermore, Section 4.3 of DOE/RL 94-02 states that any incident categorized as an Operational Emergency, but not further classified as an Alert, Site Area Emergency, or General Emergency, will automatically trigger notifications to offsite agencies as an Abnormal Event. The Plan must address this. Section 5.1.B of DOE HFID 232.1B contains a discussion of Abnormal Events and advises that the Hanford Occurrence Notification Center (ONC) maintains a procedure with specific criteria for categorizing events as Abnormal. Section 5.1.B advises that the Hanford contractors will be provided the latest version of the specific criteria. The Plan must contain provisions for obtaining and maintaining the most current version of the ONC Abnormal Event criteria.

2.4 Notification and Communications (DOE/RL 94-02, Section 5.0, and HFID 232.1B)

The Plan must confirm BNI has developed a notification program. The Plan either must contain reporting procedures, or a commitment that they will be written. The types of incidents that must

be reported to the Hanford Occurrence Notification Center include, but are not limited to, occupational safety incidents related to construction activities, radiological incidents related to the potential for unexpected radioactive contamination that could be found at the construction site, and environmental spills of hazardous substances above established limits defined in applicable regulations. The Plan must implement the criteria of HFID 232.1B.

BNI must establish an employee alarm system and the Plan must describe the system. The Plan must discuss provisions for a communications mechanism in order to accomplish notifications such as a telephone or pagers.

The Plan must include a discussion on the various methods or systems the Contractor intends to use to maintain communications. It must also discuss maintenance and testing of the systems, backup capabilities, and a listing of the various telephone numbers and methods of reaching significant Hanford organizations such as the Fire Department, Patrol Operations Center, and ONC. The Plan must include a listing of the standard emergency signals as given in Table 5-1 of DOE/RL 94-02.

2.5 Onsite Protective Actions (DOE/RL 94-02, Section 7.2.3)

The Plan must describe the types of emergencies that could be encountered, including those from other Hanford sites and describe provisions and procedures generated for protecting workers in the event of any of those emergencies. This must include limited or total evacuation or sheltering, and actions to be taken in the event of discovery of radioactive contamination. The Plan must describe the methodology to be used for notification of all workers (including those in remote locations) and describe provisions for immediate accountability following an evacuation, and procedures to be followed if some persons are missing.

2.6 Training and Drills (DOE/RL 94-02, Section 12.0)

The Plan must describe BNI's policies, requirements, and methods to ensure personnel are trained and qualified to perform their emergency response responsibilities. Hanford General Employee Training (HGET) is provided to all workers at the start of their employment and annually thereafter. The training provides basic emergency response requirements to the employees. One of the subjects of that training relates to the fire alarm system that is used to protect the employee. The Plan must describe adequately its training and qualification process including the formal initial and requalification training for members of the emergency response organization.

The Plan must describe the program and procedures for participating in annual evacuation/sheltering drills that include demonstration of proficiency in responding to fire and medical emergencies and personnel accountability. Because all emergency response organization staff must participate in drills, more than one drill per year may be necessary. These could be separate drills, or joint efforts with other sites. The Plan must include provisions for a drill critiques at its conclusion, and a process for correcting any deficiencies that are found.

2.7 Emergency Management Program Administrator (DOE/RL-94-02, Section 14.0)

The Plan must identify the individual, by title of position, responsible for administering the emergency management program at the facility.